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### NOTICE OF ALLOWANCE AND FEE(S) DUE

21906

7590

06/24/2010

TROP, PRUNER & HU, P.C. 1616 S. VOSS ROAD, SUITE 750 HOUSTON, TX 77057-2631 EXAMINER

WONG, WARNER

ART UNIT PAPER NUMBER

2471 DATE MAILED: 06/24/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,008	09/21/2001	Linda Morales	ERC.0003US	4221

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/24/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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21906 TROP, PRUNE 1616 S. VOSS R HOUSTON, TX	OAD, SUITE 750	/2010		Cert	ificate	of Mailing or Trans  Transmittal is being ficient postage for first ISSUE FEE address 1) 273-2885, on the d	mission g deposited st class ma above, or ate indicat	I with the United nil in an envelope being facsimile ted below.
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								(Signature)
								(Date)
APPLICATION NO.	PLICATION NO. FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.		CONFIR	RMATION NO.
09/960,008 ITTLE OF INVENTION	09/21/2001 : METHOD AND APPA	ARATUS TO CONTROL	Linda Morales HANDOFF BETWEEN D	IFFERENT WIREI		ERC.0003US 3837RRUS02U) SYSTEMS		4221
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	I	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	(	09/24/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
WONG, V	VARNER	2471	370-331000					
"Fee Address" ind: PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach  ND RESIDENCE DATA ess an assignee is ident h in 37 CFR 3.11. Comp	nge of Correspondence  Indication form and. Use of a Customer  A TO BE PRINTED ON T	2. For printing on the p  (1) the names of up to or agents OR, alternativ  (2) the name of a single registered attorney or a 2 registered patent attorlisted, no name will be THE PATENT (print or type data will appear on the part a substitute for filing and (B) RESIDENCE: (CITY)	3 registered patent ely, e firm (having as a gent) and the name news or agents. If norinted.  e) etent. If an assignessignment.	attorn members of up o nam	er a 2	ocument h	nas been filed for
4a. The following fee(s):  Issue Fee Publication Fee (N		4lpermitted)	o. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	se first reapply and  I. Form PTO-2038  authorized to charge	y prev	iously paid issue fee ched.	shown ab	ove)
a. Applicant claim	tus (from status indicated s SMALL ENTITY stated d Publication Fee (if region	is. See 37 CFR 1.27.	b. Applicant is no long					
interest as shown by the i	records of the United Sta	tes Patent and Trademark	d from anyone other than the Office.			or agent, of th		
Authorized Signature				Date				
Typed or printed name				_				
an application. Confident submitting the completed his form and/or suggesti	tiality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	mated to take 12 m idual case. Any cor r. U.S. Patent and T	inutes nment 'raden	to complete, including s on the amount of time ark Office, U.S. Dens	g gatherin ne you rec artment of	ng, preparing, and quire to complete Commerce, P.O.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
09/960,008	09/21/2001	Linda Morales	ERC.0003US (13837RRUS02U)	4221			
21906 7590 06/24/2010			EXAMINER				
TROP, PRUNER	? & HU, P.C.	WONG, WARNER					
1616 S. VOSS RO			ART UNIT	PAPER NUMBER			
HOUSTON, TX 7	HOUSTON, TX 77057-2631			2471			
		DATE MAILED: 06/24/2010					

# **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1046 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1046 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	09/960,008	MORALES ET AL.
Notice of Allowability	Examiner	Art Unit
	WARNER WONG	2471
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due course. <b>THIS</b>
2. X The allowed claim(s) is/are <u>1,3,4,8,18,20-29,33-36 and 91.</u>	<u>2</u> .	
<ol> <li>Acknowledgment is made of a claim for foreign priority ur</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents have</li> <li>2. ☐ Certified copies of the priority documents have</li> <li>3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).</li> </ol>	e been received. e been received in Applicat	on No
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	MENT of this application. itted. Note the attached Eメ	(AMINER'S AMENDMENT or NOTICE OF
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.	
(a) ☐ including changes required by the Notice of Draftspers	•	ew ( PTO-948) attached
1)  hereto or 2)  to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the sheet.	.84(c)) should be written on	the drawings in the front (not the back) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)		nformal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), ./Mail Date
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date		s Amendment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner' 9. □ Other	s Statement of Reasons for Allowance 

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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dan Hu (US 40,025) on May 28, 2010.

The claims have been amended as follow (underlined):

Claim 1. A method of performing wireless communications, comprising:

communicating bearer traffic for a packet-switched communications
session between a mobile station and a first base station associated with a first type of wireless system;

determining if handoff is required from the first base station to a second base station associated with a second, different type of wireless system; and

in response to determining that the handoff is required, sending a message from the first base station to the second base station over an interface between the first base station and second base station, the message indicating to the second base station that handoff is required, wherein sending the message comprises sending the message over a link that directly connects the first base station and second base station.

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Claim 16. A first base station system that performs wireless communications with a mobile station according to a first protocol, the first base station system comprising:

an interface to a second base station system that performs wireless communications with the mobile station according to a second, different protocol; and a controller to communicate bearer traffic for a packet-switched communications session with the mobile station,

the controller to further exchange messaging with the second base station system through the interface to perform a handoff of the packet-switched communications session from the first base station system to the second base station system, wherein the interface allows the messaging to be sent from the first base station system directly to the second base station system.

Claim 24. An article comprising at least one <u>non-transitory</u> machine-readable storage medium containing instructions that when executed cause a first base station system to:

exchange signaling according to a first protocol with a mobile station to establish a packet-switched communications session between the mobile station and another endpoint;

determine if a handoff is required to a second base station system that performs wireless communications with the mobile station according to a second, different protocol; and

exchange messaging with the second base station system through a link between the first and second base station systems to perform the handoff, wherein exchanging the messaging with the second base station through the link comprises exchanging the messaging with the second base station through the link that directly connects the first base station system to the second base station system.

The claims have been amended to uniquely capture a direct connection used between two base stations of different protocols in the event of a required handoff.

### **REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance:

For each of the independent claims 1, 16 and 24, the prior art fails to further explicitly describe:

in response to determining that the handoff is required, sending a message from the first base station to the second base station over an interface between the first base station and second base station, the message indicating to the second base station that handoff is required, wherein sending the message comprises sending the message over a link that directly connects the first base station and second base station.

The closest prior art, Lehtinen (US 6,532,226) describes a direction connection for transmission from a GSM-protocol base stations to a UMTS-protocol base station for measured signaling which assist in handovers or Dolan (US 6,628,632) describing

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direct handoff between base stations, fail to anticipate or render the claimed features obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Vollmer (US 6,879,830) describing inter-base station communication during handover, Foster (US 6,501,952) describing hand-off utilizing direct call pickup, Back (US 7,089,008) describing inter-system handover, Kauhanen (US 7,254,392) describing intersystem handover.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WARNER WONG whose telephone number is (571)272-8197. The examiner can normally be reached on 6:30AM - 3:00PM, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Warner Wong Examiner Art Unit 2471

/Warner Wong/ Examiner, Art Unit 2471